

AMENDMENTS TO THE CLAIMS

Please amend claims 1-3 as shown in the complete list of claims presented below:

1. (Currently Amended) A method for preventing data corruption in a floppy diskette controller ~~Floppy Diskette Controller, applied to~~ in a computer system, the computer system having[[:]] a central processing unit[[:]], a system interrupt clock[[:]], a floppy diskette[[:]], a floppy diskette controller for controlling the data transfer to the floppy diskette[[:]], peripherals associated with the floppy diskette controller for providing a direct memory access (DMA) request (DREQ) and a DMA acknowledgement (DACK), the DREQ being issued when data transfer is requested by the computer system and the DACK being issued when data transfer is permitted[[:]], the method comprising the steps of:

determining for all of the data transferred to the floppy diskette, if a requested computer system operation accesses the data from ~~a FDC~~ the floppy diskette controller;

measuring the time for the DMA request (DREQ) (DREQ) from the issue to the removal thereof; and

signaling an error from the computer system if the measured time exceeds a specific value.

2. (Currently Amended) The method of Claim 1, further comprising the steps of:
pre-hooking an interpose service routine to an interrupt vector intercepted by the system interrupt clock;

increasing ~~the~~ an interrupt rate provided by the system interrupt clock, wherein ~~the measured~~ said measuring the time is performed through the interpose service routine for every interrupt; and

recovering the system interrupt clock to interrupt normally after the floppy diskette data transfer is completed and unhooking the interrupt vector.

3. (Currently Amended) A method for preventing data corruption in a floppy diskette controller ~~Floppy Diskette Controller, applied to~~ in a computer system, the computer system having[[:]] a central processing unit[[:]], a system interrupt clock[[:]], a floppy diskette[[:]], a floppy diskette controller for controlling the data transfer to the floppy

diskette[[]], peripherals associated with the floppy diskette controller for providing a direct memory access (DMA) request (DREQ) and a DMA acknowledgement (DACK), the DREQ being issued when data transfer is requested and the DACK being issued when data transfer is permitted[[]], the method comprising the steps of:

determining for all of the data transferred to the floppy diskette, if a requested computer system operation accesses the data from ~~a FDC~~ the floppy diskette controller;

programming the system interrupt clock to increase ~~the~~ an interrupt rate provided by the system interrupt clock, wherein the existence of the DMA request (DREQ) is detected for every interrupt issued by the system interrupt clock;

calling ~~the~~ a floppy diskette service routine of the computer system so as to access ~~the~~ data from the floppy diskette;

measuring the time for the DMA request (~~DREQ~~) (DREQ) from the issue to the removal and recording ~~the~~ a maximum time;

signaling an error from the computer system if the measured time exceeds a specific value; and

reprogramming the system interrupt clock to recover the interrupt at a normal rate.